L Number	Hits	Search Text	DB	Time stamp
-	447	381/77.ccls.	USPAT;	2004/03/02 14:12
			US-PGPUB;	
			EPO; JPO;	
	110	701/71 7	DERWENT	
-	118	381/71.7.ccls.	USPAT;	2004/03/02 14:12
			US-PGPUB;	
			EPO; JPO;	
	7.4	701/71 7 -1 1-1- 1- 45	DERWENT	0004/07/004407
-	34	381/71.7.ccls. and piezoelectr\$5	USPAT;	2004/03/02 14:25
			US-PGPUB;	
			EPO; JPO;	
	5	(381/71.7.ccls. and piezoelectr\$5) and (node nodla	DERWENT	2004/07/00 14 24
-	3	antinod\$3)	USPAT;	2004/03/02 14:26
		anuliou\$3)	US-PGPUB;	
			EPO; JPO;	
	7	(381/71.7.ccls. and piezoelectr\$5) and (node nodal	DERWENT	2004/07/00 14 00
-	•	antinod\$3)	USPAT; US-PGPUB;	2004/03/02 14:29
•			,	
-			EPO; JPO;	
_	338	381/354.ccls.	DERWENT	2004/03/02 14:30
-	330	301/33T.CCs.	USPAT; US-PGPUB;	2004/03/02 14:30
			,	
			EPO; JPO;	
_	20	381/354.ccls. and (piezo piezoelectric\$5)	DERWENT USPAT;	2004/03/02 14:39
	20	301/334.ccis. and (piezo piezoeiectric\$3)	US-PGPUB;	2004/03/02 14:39
			EPO; JPO; DERWENT	
_	1	2414489.URPN.	USPAT	2004/03/02 14:32
_	591	antinod\$3 and piezoelectric\$5	USPAT;	2004/03/02 15:44
1	371	and piczociectie 45	US-PGPUB;	2004/03/02 13:44
			EPO; JPO;	
			DERWENT	
-	459	(antinod\$3 and piezoelectric\$5) and (panel board resona\$5)	USPAT;	2004/03/02 14:40
		(analogy and presented by and (paner board resonate)	US-PGPUB;	200 17 0 37 0 2 1 1.10
			EPO; JPO;	
			DERWENT	
-	220	((antinod\$3 and piezoelectric\$5) and (panel board	USPAT;	2004/03/02 15:26
		resona\$5)) and (cancel\$4 absorb\$3 attenuat\$3)	US-PGPUB;	200 11 007 02 10120
		, , , , , , , , , , , , , , , , , , , ,	EPO; JPO;	
			DERWENT	
-	31	((antinod\$3 with piezoelectric\$5) and (panel board	USPAT;	2004/03/02 15:15
1		resona\$5)) and (cancel\$4 absorb\$3 attenuat\$3)	US-PGPUB;	
			EPO; JPO;	
Ì			DERWENT	
-	0	smart adj panel and \$4speaker	USPAT;	2004/03/02 15:15
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	0	smart adj panel and \$4speaker	USPAT;	2004/03/02 15:16
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
- [5922	panel with \$4speaker	USPAT;	2004/03/02 15:17
			US-PGPUB;	
İ	;		EPO; JPO;	
			DERWENT	
-	67	381/164.ccls.	USPAT;	2004/03/02 15:26
			US-PGPUB;	
1			EPO; JPO;	l
			DERWENT	ŀ

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	720	7017152 000	TICNAT	19004707709-1F-94
-	268	381/152.ccls.	USPAT;	2004/03/02 15:26
			US-PGPUB;	
			EPO; JPO;	
		701/150 and a supply and 4 about 67 and a set 7)	DERWENT	0004/07/00 15 04
-	57	381/152.ccls. and (cancel\$4 absorb\$3 attenuat\$3)	USPAT;	2004/03/02 15:26
	İ		US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	4	1	USPAT;	2004/03/02 15:28
		antinod\$3	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	90	"new transducers limited"	USPAT;	2004/03/02 15:30
			US-PGPUB;	
	:		EPO; JPO;	
			DERWENT	
-	79	"new transducers limited".asn.	USPAT;	2004/03/02 15:31
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	206	azima.in.	USPAT;	2004/03/02 15:31
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	90	"azima, henry".in.	USPAT;	2004/03/04 07:47
			US-PGPUB;	
			EPO; JPO;	
		·	DERWENT	
-	. 13	"KIM, JAE-HWAN".in.	USPAT;	2004/03/02 15:35
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	24	"KIM, JAE HWAN".in.	USPAT;	2004/03/02 15:35
		, , , ,	US-PGPUB;	200 00. 02
			EPO; JPO;	
			DERWENT	
-	10	antinod\$3 and piezoelectric\$5 and 381/\$.ccls.	USPAT;	2004/03/02 15:37
		, ,	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	284	anti adj nod\$2 and piezoelectric\$5	USPAT;	2004/03/02 15:45
		,	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	809	(anti adj nod\$2 antinod\$2) and piezoelectric\$5	USPAT;	2004/03/02 15:49
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	30	(anti adj nod\$2 antinod\$2) and piezoelectric\$5 and	USPAT;	2004/03/02 16:22
		381/\$.ccls.	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	421	bending adj wave	USPAT;	2004/03/02 16:01
			US-PGPUB;	-50 1. 03. 02 10.01
			EPO; JPO;	
			DERWENT	
-	53	(bending adj wave) and noise	USPAT;	2004/03/02 15:57
			US-PGPUB;	200 17 0 37 0 2 1 3.37
			EPO; JPO;	
			DERWENT	
-	6	4527371.URPN.	USPAT	2004/03/02 16:00

	126	bending adj wave and (piezo piezo adj electric\$4	USPAT;	2004/03/02 16:07
	1.20	piezoelectric\$4)	US-PGPUB;	2004/03/02 10:07
		,	EPO; JPO;	
			DERWENT	
-	19	(bending adj wave and (piezo piezo adj electric\$4	USPAT;	2004/03/02 16:06
		piezoelectric\$4)) and noise	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	56		USPAT;	2004/03/02 16:10
		piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)	US-PGPUB;	
			EPO; JPO; DERWENT	
l <u>.</u>	942	(bending standing) adj wave and (piezo piezo adj electric\$4	USPAT;	2004/03/02 16:10
		piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)	US-PGPUB;	200 17 037 02 10.10
		Francisco (, , and (, , , , , , , , , , , , , , , , , ,	EPO; JPO;	
			DERWENT	
-	942	,	USPAT;	2004/03/02 16:13
		piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)	US-PGPUB;	
			EPO; JPO;	
	705	(//handlanatandlana) allanana a (//handlanatandlana)	DERWENT	0004/07/00 44
-	395	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2004/03/02 16:14
		piezoelectric\$4) and (absorb\$ cancel\$4 attenuat\$3)) and (381/\$.ccls. audio audible sound music)	US-PGPUB;	†
		(3017 p.ccis. audio audiole soulid music)	EPO; JPO; DERWENT	
_	946	((bending standing) adj wave distributed adj mode) and	USPAT;	2004/03/02 16:13
		(piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$	US-PGPUB;	2001/05/02 10.15
		cancel\$4 attenuat\$3)	EPO; JPO;	
		*	DERWENT	
-	399	1 (((USPAT;	2004/03/02 16:14
		(piezo piezo adj electric\$4 piezoelectric\$4) and (absorb\$	US-PGPUB;	
		cancel\$4 attenuat\$3)) and (381/\$.ccls. audio audible sound	EPO; JPO;	
		music)	DERWENT	2004/07/00 1/ 01
-	0 60	6201872.URPN. 381/71.2.ccls.	USPAT USPAT;	2004/03/02 16:21
-		301//1.2.ccis.	US-PGPUB;	2004/03/02 16:24
			EPO; JPO;	
			DERWENT	
-	23	381/71.2.ccls. and piezoelectric	USPAT;	2004/03/02 16:24
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	11	381/71.2.ccls. and piezoelectric and (anti adj nod\$2	USPAT;	2004/03/02 16:30
	1	antinod\$2 resonan\$3)	US-PGPUB;	
			EPO; JPO; DERWENT	
_	5	("4924640" "5107634" "5491938" "5816122"	USPAT	2004/03/02 16:27
		"6032552").PN.		230 1/ 03/02 10.27
_	493	310/322.ccls.	USPAT;	2004/03/02 16:41
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
•	13	310/322.ccls. and (soundproof sound adj (cancel\$4	USPAT;	2004/03/02 16:41
		absorb\$3 attenuat\$3))	US-PGPUB;	
•			EPO; JPO;	
_	652	310/321.ccls.	DERWENT USPAT;	2004/03/02 16:41
	052	0 1 0 / 0 Z 1 . CCl3.	US-PGPUB;	2007/03/02 10:41
			EPO; JPO;	
			DERWENT	
	<u> </u>	L	L	L

-	3	310/321.ccls. and (soundproof sound adj (cancel\$4 absorb\$3 attenuat\$3))	USPAT; US-PGPUB;	2004/03/02 16:42
		<i>"</i>	EPO; JPO;	
			DERWENT	
-	171	310/321.ccls. and (soundproof (cancel\$4 absorb\$3	USPAT;	2004/03/02 16:44
		attenuat\$3))	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	36	(310/321.ccls. and (soundproof (cancel\$4 absorb\$3	USPAT;	2004/03/02 16:47
		attenuat\$3))) and (wall panel)	US-PGPUB;	
			EPO; JPO; DERWENT	
_	5	("2043416" "4044203" "4715559" "4947434"	USPAT	2004/03/02 16:45
		"5091953").PN.	USFAT	2004/03/02 10:43
-	334935	sound.ti. wall.ti.	USPAT;	2004/03/02 16:47
			US-PGPUB;	200 17 037 02 10.17
			EPO; JPO;	
			DERWENT	
-	2834	sound.ti. and wall.ti.	USPAT;	2004/03/02 16:47
			US-PGPUB;	
			EPO; JPO;	
	_	/ / / I I I I I I I I I I I I I I I I I	DERWENT	
-	5	(sound.ti. and wall.ti.) and 381/\$.ccls.	USPAT;	2004/03/02 16:48
			US-PGPUB;	
			EPO; JPO; DERWENT	1
_	76	381/71.7.ccls. and (wall panel)	USPAT;	2004/03/02 16:49
	, ,	out / / / / / / / / / / / / / / / / / / /	US-PGPUB;	2001/03/02 10.47
			EPO; JPO;	
			DERWENT	
-	84	381/71.7.ccls. and (wall panel board)	USPAT;	2004/03/02 16:49
,			US-PGPUB;	
			EPO; JPO;	
	32	701/71 7 asia and (wall manel beaut) and (witness translated)	DERWENT	0004/07/00 17 70
-	32	381/71.7.ccls. and (wall panel board) and (piezoelectric\$4 piezo adj electric\$4)	USPAT; US-PGPUB;	2004/03/02 17:32
		piezo adj electric \$ + 7	EPO; JPO;	
			DERWENT	
-	8	5515444.URPN.	USPAT	2004/03/02 16:52
-	16	("4449235" "5091953" "5233540" "5245552"	USPAT	2004/03/02 17:19
		"5283834" "5355417" "5363451" "5396414"		
		"5410607" "5415522" "5420932" "5473698"		
		"5498127" "5515444" "5519637"		
	1.4	"5748750").PN.	LICDAT	0004/07/00 17 00
-	17	("3693749" "3936606" "3991849" "4044203" "4199295" "4255083" "4689821" "4700177"	USPAT	2004/03/02 17:22
		"4199295" "4255083" "4689821" "4700177" "4715559" "4947356" "4947434" "4967550"		
		"5031222" "5060471").PN.		
-	2		USPAT	2004/03/02 17:24
-	0	6266427.URPN.	USPAT	2004/03/02 17:26
-	18	("3160549" "3976269" "4011356" "4068736"	USPAT	2004/03/02 17:26
		"4143495" "4235302" "4387786" "4416349"		
		"4635882" "4741945" "4828202" "4924969"		
		"5251849" "5280991" "5823467" "5862242"		
_	22	"5904318" "6031917").PN. 3976269.URPN.	LICDAT	2004/07/09 17 97
-	18	("3160549" "3976269" "4011356" "4068736"	USPAT USPAT	2004/03/02 17:27 2004/03/02 17:31
		"4143495" "4235302" "4387786" "4416349"	43171	2007/03/02 17:31
		"4635882" "4741945" "4828202" "4924969"		
		"5251849" "5280991" "5823467" "5862242"		
		"5904318" "6031917").PN.		
			L	

-	86	381/353.ccls.	USPAT; US-PGPUB;	2004/03/02 17:34
			EPO; JPO;	
			DERWENT	
-	13	381/353.ccls. and (piezo piezo adj electric\$5	USPAT;	2004/03/02 17:38
		piezoelectric\$5)	US-PGPUB;	
			EPO; JPO;	
	73	701/757 and most (701/757 and and (nitro nitro all	DERWENT	0004/07/00 17 77
-	/3	381/353.ccls. not (381/353.ccls. and (piezo piezo adj electric\$5 piezoelectric\$5))	USPAT; US-PGPUB;	2004/03/02 17:37
		electric \$5 piezoelectric \$5))	EPO; JPO;	
			DERWENT	
-	0	1517063.URPN.	USPAT	2004/03/02 17:35
-	153	367/176.ccls.	USPAT;	2004/03/02 17:38
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	56	367/176.ccls. and (piezo piezo adj electric\$5	USPAT;	2004/03/02 17:40
		piezoelectric\$5)	US-PGPUB;	
			EPO; JPO;	
	1.7.1	747/140	DERWENT	2004/07/00 17 45
-	161	367/162.ccls.	USPAT;	2004/03/02 17:45
			US-PGPUB; EPO; JPO;	
			DERWENT	
-	9	2416337.URPN.	USPAT	2004/03/02 17:43
-	812	(electronic\$5 electric\$5) adj damp\$3	USPAT;	2004/03/02 17:46
		,	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	175	(electronic\$5 electric\$5) adj damp\$3 and (panel wall)	USPAT;	2004/03/02 17:46
			US-PGPUB;	
İ			EPO; JPO;	
	40	(alastronist F alastrist F) adi damat 7 and (none) well) and	DERWENT	2004/03/02 17:50
-	40	(electronic\$5 electric\$5) adj damp\$3 and (panel wall) and (piezo piezo adj (electric\$5 electroni\$5) piezoelectric\$5	USPAT; US-PGPUB;	2004/03/02 17:50
1.		piezoelectronic\$5)	EPO; JPO;	
		piczociecu o inc 4 3 y	DERWENT	
-	25	((electronic\$5 electric\$5) adj damp\$3 and (panel wall) and	USPAT;	2004/03/02 17:48
		(piezo piezo adj (electric\$5 electroni\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5)) and resonan\$4	EPO; JPO;	
			DERWENT	
-	40	(electronic\$5 electric\$5) adj damp\$3 and (panel wall) and	USPAT;	2004/03/02 18:23
		(piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	US-PGPUB;	
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	EPO; JPO;	
	12	4633982.URPN.	DERWENT	2004/07/02 17:50
			USPAT USPAT	2004/03/02 17:59 2004/03/02 18:04
	10	("4083433" "4633982" "4795123" "4849668" 	43171	2007/03/02 10:04
		"5270607" "5347870").PN.		
-	117	anti-resonan\$3 adj (point location node)	USPAT;	2004/03/02 18:08
		,	US-PGPUB;	
1			EPO; JPO;	
1			DERWENT	
-	7	(anti-resonan\$3 adj (point location node)) and (panel wall)	USPAT;	2004/03/02 18:10
		and (piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	US-PGPUB;	
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	EPO; JPO;	
	490	recenant adi made and dame \$7	DERWENT	2004/07/00 10 10
	489	resonant adj mode and damp\$3	USPAT; US-PGPUB;	2004/03/02 18:10
			EPO; JPO;	
			DERWENT	
	7/00/04	10:06:52 AM Page 5		<u> </u>

-	79	resonant adj mode with damp\$3	USPAT; US-PGPUB;	2004/03/02 18:10
			EPO; JPO;	
			DERWENT	
-	22	(resonant adj mode with damp\$3) and (panel wall) and	USPAT;	2004/03/04 08:13
		(piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	US-PGPUB;	
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	EPO; JPO;	
	3	4199989.URPN.	DERWENT USPAT	2004/03/02 18:11
_	7	smart adj panel	USPAT;	2004/03/02 18:11
_	'	Siliait auj palici	US-PGPUB;	2004/03/02 16:19
			EPO; JPO;	
			DERWENT	
-	9	(electronic\$5 electric\$5) adj damp\$3 and (shunt) and (piezo	USPAT;	2004/03/04 08:13
		piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5)\	EPO; JPO;	
			DERWENT	
-	9	(electronic\$5 electric\$5) adj damp\$3 and (shunt) and (piezo	USPAT;	2004/03/02 18:23
		piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5)	EPO; JPO;	
		(#5.4054.50# + #5.777.4.5#)	DERWENT	
-	2	("5495152" "5777445").PN.	USPAT	2004/03/02 18:25
-	49	"azima, henry".in. and damp\$3	USPAT;	2004/03/04 07:47
			US-PGPUB; EPO; JPO;	
			DERWENT	
_	48	"azima, henry".in. and damp\$3 and resonan\$4	USPAT;	2004/03/04 07:48
		dema, nemy am and damp45 and resonant r	US-PGPUB;	2001/03/01 07.10
			EPO; JPO;	
			DERWENT	
-	48	"azima, henry".in. and damp\$3 and resona\$4	USPAT;	2004/03/04 07:53
			US-PGPUB;	
			EPO; JPO;	
		Harton to a Hitamata and Tarata	DERWENT	0004/07/04 07 57
-	0	"azima, henry".in. and damp\$3 and shunt	USPAT;	2004/03/04 07:53
			US-PGPUB; EPO; JPO;	
			DERWENT	
-	o	"azima, henry".in. and damp\$3 and shunt\$3	USPAT;	2004/03/04 07:53
		, , , , , , , , , , , , , , , , , , , ,	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	582	acoustic adj panel	USPAT;	2004/03/04 07:56
			US-PGPUB;	
			EPO; JPO;	
1_		acquetic adi papal and short	DERWENT	2004/07/04 07 5
1	0	acoustic adj panel and shunt	USPAT; US-PGPUB;	2004/03/04 07:56
			EPO; JPO;	
			DERWENT	
-	1	acoustic adj panel and shunt\$3	USPAT;	2004/03/04 07:56
	·	and the same of th	US-PGPUB;	-50 55. 6 ! 67.56
			EPO; JPO;	
			DERWENT	
-			USPAT	2004/03/04 08:00
-	17		USPAT	2004/03/04 08:04
1-	1491	electric\$4 adj resona\$5	USPAT;	2004/03/04 08:13
			US-PGPUB;	
			EPO; JPO; DERWENT	
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-	579		USPAT;	2004/03/04 08:14
		electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5)	EPO; JPO;	
			DERWENT	
1-	22	(electric\$4 adj resona\$5) and (piezo piezo adj (electric\$5	USPAT;	2004/03/04 08:16
		electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5) and shunt	EPO; JPO;	
		prezoceranico y una situite	DERWENT	
1_	137	(electric\$4 adj resona\$5) and (piezo piezo adj (electric\$5	USPAT;	2004/03/06 15:48
	13/			2004/03/08 13:48
		electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5) and resist\$5 and induct\$5	EPO; JPO;	
			DERWENT	
-	74	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2004/03/04 08:18
		electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5) and resist\$5 and induct\$5 and (damp\$3	EPO; JPO;	
		attenuat\$3 cancel\$4)	DERWENT	
-	21	4241806.URPN.	USPAT	2004/03/06 15:08
_	385	181/284.ccls.	USPAT;	2004/03/06 15:47
		101720110031	US-PGPUB;	200 1703700 13:17
			EPO; JPO;	
		101/004 1 1/1 1 11/1 145 1 145	DERWENT	
- '	9	181/284.ccls. and (piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/06 15:55
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5)	EPO; JPO;	
			DERWENT	
-	3	("3834487" "5400296" "5526324").PN.	USPAT	2004/03/06 15:52
-	16	5400296.URPN.	USPAT	2004/03/06 15:53
-	37574	(wall panel) and (piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/06 15:55
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5)	EPO; JPO;	
		prezoceranie 43/	DERWENT	
	17388	((wall panel) and (piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/07 13:12
	17300	ceramic\$5) piezoelectric\$5 piezoelectronic\$5		2004/03/07 13:12
			US-PGPUB;	
		piezoceramic\$5)) and (sound acoustic music acoustic\$4	EPO; JPO;	
	/504	noise)	DERWENT	
-	6524	(((wall panel) and (piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/06 15:56
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	1
		piezoceramic\$5)) and (sound acoustic music acoustic\$4	EPO; JPO;	
		noise)) and (resonan\$4 resonat\$3)	DERWENT	
-	341	((((wall panel) and (piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/06 15:57
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5)) and (sound acoustic music acoustic\$4	EPO; JPO;	
		noise)) and (resonan\$4 resonat\$3)) and shunt	DERWENT	
-	140	((((wall panel) and (piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/06 15:57
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
	[piezoceramic\$5)) and (sound acoustic music acoustic\$4	EPO; JPO;	
]	noise)) and (resonan\$4 resonat\$3)) and shunt and board	DERWENT	
	47	((((wall panel) and (piezo piezo adj (electric\$5 electroni\$5	1	2004/07/07 10 00
1	4/		USPAT;	2004/03/07 12:08
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
1	1	piezoceramic\$5)) and (sound acoustic music acoustic\$4	EPO; JPO;	
1		noise)) and (resonan\$4 resonat\$3)) and shunt and board	DERWENT	
]	and absor\$5		
1-	5	("4924640" "5107634" "5491938" "5816122"	USPAT	2004/03/07 12:21
1	1	"6032552").PN.		
-	0	6546316.URPN.	USPAT	2004/03/07 12:23
-	16	("4449235" "5091953" "5233540" "5245552"	USPAT	2004/03/07 12:24
1		"5283834" "5355417" "5363451" "5396414"		
1	1	"5410607" "5415522" "5420932" "5473698"		
1]	"5498127" "5515444" "5519637"		
1		"5748750").PN.		
1.	11	5410607.URPN.	USPAT	2004/03/07 12:28
		3110007.UNIN.	UJF A I	2007/03/07 12:28

-	2	4373608.pn.	USPAT;	2004/03/07 12:57
			US-PGPUB;	
1			EPO; JPO;	
	•		DERWENT	
-	6	4373608.URPN.	USPAT	2004/03/07 12:32
-	4	5241512.URPN.	USPAT	2004/03/07 12:42
-	24	("3715638" "3736552" "3786495" "3946422"	USPAT	2004/03/07 12:50
		"3973146" "4081626" "4246449" "4262399"		
		"4429192" "4432007" "4439641" "4439847"		
		"4530077" "4533795" "4783821" "4887246"		
	1	"4887248" "4910840" "4916675" "4922471"		
		"5208789" "5241512" "5408731"		
		3208769 3241312 3408731 "5619476").PN.		
	200	•	1160 4 7	2004/07/07 10 55
-	209	181/208.ccls.	USPAT;	2004/03/07 12:57
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	1	181/208.ccls. and shunt\$3	USPAT;	2004/03/07 12:57
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	10	("3816774" "4028566" "4056742" "4565940"	USPAT	2004/03/07 12:58
		"4849668" "5485053" "5660624" "5719945"		
		"6191519" "6411015").PN.		
1_	6	5719945.URPN.	USPAT	2004/03/07 13:04
	3	("4352039" "5018203" "5719945").PN.		2004/03/07 13:04
-	3	(T332039 3010203 3719943).PN. (#4759070" #5010907" #5710045") DNI	USPAT	
"	186955	("4352039" "5018203" "5719945").PN.	USPAT	2004/03/07 13:10
-	100933	(piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 13:13
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	US-PGPUB;	
			EPO; JPO;	
	_		DERWENT	
-	6	181/208.ccls. and ((piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/07 13:15
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5))	EPO; JPO;	
			DERWENT	
-	28	("4025724" "4149612" "4373608" "4435751"	USPAT	2004/03/07 13:15
		"4442647" "4525791" "4600078" "4715559"		
		"4930113" "5245664" "5315661" "5381381"		
		"5410607" "5519637" "5621656" "5642445"		
		"5695027" "5710714" "5794909" "5804775"		
		"5873559" "5924532" "5924670" "5930371"		
		"5954169" "6006875" "6024190"		
		16053275").PN.		
	6		LICDAT.	2004/07/07 17:70
-	•	((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 13:30
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) and	US-PGPUB;	
		(("4025724" "4149612" "4373608" "4435751"	EPO; JPO;	
		"4442647" "4525791" "4600078" "4715559"	DERWENT	
		"4930113" "5245664" "5315661" "5381381"		
		"5410607" "5519637" "5621656" "5642445"		
		"5695027" "5710714" "5794909" "5804775"		
		"5873559" "5924532" "5924670" "5930371"		
1		"5954169" "6006875" "6024190"		
		"6053275").PN.)		
-	5	· ·	USPAT	2004/03/07 13:18
		"5091953").PN.		
-	2	4158787.pn.	USPAT;	2004/03/07 13:54
1			US-PGPUB;	200 1/03/07 13:37
1			EPO; JPO;	
1_	14	4150707 HDDN	DERWENT	2004/07/07 17 71
1.	5	4158787.URPN.	USPAT	2004/03/07 13:31
		5371801.URPN.	USPAT	2004/03/07 13:36

		/// / / / / / / / / / / / / / / / / / /		
-	4	("3602844" "4158787" "4383230" "4485356").PN.	USPAT	2004/03/07 13:37
-	4	("4158787" "5170103" "5347870" "5460182").PN.	USPAT	2004/03/07 13:52
-	1595	310/51.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 13:54
-	29	((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) and 310/51.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 14:16
•	4	("2416337" "3029356" "3179823" "3400284").PN.	USPAT	2004/03/07 13:56
-	25	2133333.pn. 2126886.pn. 2154849.pn. 2156786.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 14:23
-	0	2154849.URPN.	USPAT	2004/03/07 14:18
-	9	2416337.URPN.	USPAT	2004/03/07 14:18
-	1606	smart and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5))	USPAT; US-PGPUB; EPO; JPO;	2004/03/07 14:27
		prezocerume#3//	DERWENT	
-	592	(smart and ((piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/07 14:28
	1	ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5))) and (absorp\$5 absorb\$4)	EPO; JPO;	
			DERWENT	
-	362		USPAT;	2004/03/07 14:29
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5))) and (absorp\$5 absorb\$4) and (sound	EPO; JPO;	
		audio acoustic\$4 music\$4 audible)	DERWENT	
-	362	(smart and ((piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/07 14:50
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5))) and (absorp\$5 absorb\$4) and (sound	EPO; JPO;	
	286	audio acoustic\$4 music\$4 audibl\$2) ((smart and ((piezo piezo adj (electric\$5 electroni\$5	DERWENT USPAT;	2004/07/07 14 44
-	200	ceramic\$5) piezoelectric\$5 piezoelectroni\$5	US-PGPUB;	2004/03/07 14:44
Į.		piezoceramic\$5))) and (absorp\$5 absorb\$4) and (sound	EPO; JPO;	
		audio acoustic\$4 music\$4 audib[\$2]) and (panel wall)	DERWENT	
_	27	(smart and ((piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/07 14:50
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	200 17 007 07 1 7130
		piezoceramic\$5))) and (absorp\$5 absorb\$4) with (sound	EPO; JPO;	
		audio acoustic\$4 music\$4 audibl\$2)	DERWENT	
-	24	(smart and ((piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/07 15:02
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5))) and (absorp\$5 absorb\$4) with (sound	EPO; JPO;	
		audio acoustic\$4 music\$4 audibI\$2) and (wall panel)	DERWENT	
-	4	, , = 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	USPAT	2004/03/07 14:56
		"5627897").PN.		
•	1	"5394478".PN.	USPAT	2004/03/07 14:57
<u>-</u>	702	5598479.URPN.	USPAT	2004/03/07 14:57
-	382	181/210.ccls.	USPAT;	2004/03/07 15:03
			US-PGPUB;	
			EPO; JPO;	
	4	181/210.ccls. and ((piezo piezo adj (electric\$5 electroni\$5	DERWENT USPAT;	2004/03/07 15:03
	*	ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	2007/03/0/ 13:03
		piezoceramic\$5))	EPO; JPO;	
		proceediments /	DERWENT	
L	I	<u> </u>	PERTITION	

	70077	· **		
-	79036	resonan\$3 adj frequenc\$4	USPAT;	2004/03/07 15:04
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	5731	resonan\$3 adj frequenc\$4 same (panel board wall)	USPAT:	2004/03/07 15:06
		, , ,	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
l _	1162	resonan\$3 adj frequenc\$4 same (panel board wall) and	USPAT;	2004/03/07 15:06
	1102	((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)		2004/03/07 13:08
			US-PGPUB;	
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5))	EPO; JPO;	
		A= 11.2	DERWENT	
-	550	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2004/03/07 15:11
		((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	US-PGPUB;	
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) and	EPO; JPO;	
		(peak nod\$2 antinod\$2 anti adj nod\$3)	DERWENT	
-	21		USPAT;	2004/03/07 15:07
		((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	US-PGPUB;	200 11 007 01 15107
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) same	EPO; JPO;	
		(peak nod\$2 antinod\$2 anti adj nod\$3) and (181/\$,ccls.	DERWENT	
		381/\$.ccls.)	DEKWENT	
	100		LICDAT	0004/07/07 45 00
-	180		USPAT;	2004/03/07 15:09
		((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	US-PGPUB;	
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) same	EPO; JPO;	
		(peak nod\$2 antinod\$2 anti adj nod\$3)	DERWENT	
-	82		USPAT;	2004/03/07 15:17
		piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5)) and (peak nod\$2	EPO; JPO;	
		antinod\$2 anti adj nod\$3)	DERWENT	
_	3	4199989.URPN.	USPAT	2004/03/07 15:26
_	9		USPAT	2004/03/07 15:27
1	•	"4365181" "5544662" "5558477" "6018210"	usi XI	2001/03/07 13:27
		"6121940").PN.		
	4		LICDAT	2004/07/07 15 00
	1		USPAT	2004/03/07 15:29
	407	"5460182").PN.		0004/07/07 17 74
] -	493	310/322.ccls.	USPAT;	2004/03/07 15:31
1		·	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	1421	310/322.ccls. 310/323.\$.ccls.	USPAT;	2004/03/07 15:32
			US-PGPUB;	
[EPO; JPO;	
	1		DERWENT	
-	1198	(310/322.ccls. 310/323.\$.ccls.) and ((piezo piezo adj	USPAT;	2004/03/07 15:32
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	200 1/03/07 13:32
		piezoelectronic\$5 piezoceramic\$5))	EPO; JPO;	
		hieroelectronicae hierocetanii(\$2) }		
[074	/710/700 710/707 # - L \ \	DERWENT	0004/07/07 : 7 = -
-	274	(310/322.ccls. 310/323.\$.ccls.)and (absorp\$5 absorb\$5)	USPAT;	2004/03/07 15:32
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	274	(310/322.ccls. 310/323.\$.ccls.) and (absorp\$5	USPAT;	2004/03/07 16:03
		absorb\$5)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
_	2	6041125.URPN.	USPAT	2004/03/07 15:39
_	2		USPAT	2004/03/07 15:42
_	9	4016530.URPN.	USPAT	2004/03/07 15:44
_) ý	5355417.URPN.	USPAT	2004/03/07 15:51
L	1	333 117 MM IV.	usr A I	£007/03/07 13:31

-	16	"5283834" "5355417" "5363451" "5396414" "5410607" "5415522" "5420932" "5473698" "5498127" "5515444" "5519637"	USPAT	2004/03/07 15:55
-	18	"4527282" "4665549" "4677676" "4677677" "4697668" "4703506" "4736431" "4815139" "4837834" "4872528" "4987598" "5022082"	USPAT	2004/03/07 15:55
		"5033082" "5091954").PN.		
-	47	1 11 2 2 2 11 1 1 1 1 1 1 1 1 1 1 1 1 1	USPAT	2004/03/07 15:56
-	1480	5024288.URPN.	USPAT	2004/03/07 15:57
-	1489	electric\$4 adj resona\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 16:04
-	579	electric\$4 adj resona\$4 and ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 16:05
-	419	310/326.ccls.	USPAT; US-PGPUB;	2004/03/07 16:06
-	419	310/326.ccls.	EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/03/07 16:37
-	14	"5378974" "5558477" "5668744" "5714831"	DERWENT USPAT	2004/03/07 16:11
		"5783898" "5802184" "5838092" "6018210" "6191519" "6252334").PN.		
-	5	("3881137" "4122725" "4987564" "5262677" "5337090").PN.	USPAT	2004/03/07 16:29
-	25		USPAT	2004/03/07 16:31
-	464	310/316.01.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 16:37
-	464	310/316.01.ccls.	USPAT; US-PGPUB; EPO; JPO;	2004/03/07 16:41
-	729	310/317.ccls.	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/03/08 13:51
-	30	310/317.ccls. and (anti adj nod\$2 antinod\$2)	DERWENT USPAT; US-PGPUB;	2004/03/07 17:02
-	19 192218	5315203.URPN. ((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT	EPO; JPO; DERWENT USPAT; USPAT; US-PGPUB; EPO; JPO;	2004/03/07 16:56 2004/03/07 17:03
-	7580	(((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT) and passive\$2	DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/07 17:03

-	4169	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 17:07
100		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	
		and passive\$2) and (absorb\$4 absorp\$4 muffl\$4 insulat\$4)	EPO; JPO;	
	7747	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	DERWENT USPAT;	2004/03/07 17:09
-	3767	piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)	US-PGPUB;	2004/03/07 17:09
		and passive\$2) and (absorb\$4 absorp\$4 muffl\$4 insulat\$4)	EPO; JPO;	
		and (panel wall structure)	DERWENT	
l.	0	181/210.ccls. and smart	USPAT;	2004/03/07 17:09
		101/210.ccis. and smart	US-PGPUB;	2001/03/07 17.07
			EPO; JPO;	
			DERWENT	
-	382	181/210.ccls.	USPAT;	2004/03/07 17:09
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	4	the state of the s	USPAT;	2004/03/07 17:15
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5)) or PZT)	EPO; JPO;	
		4447407 HPPN	DERWENT	
-	44	4447493.URPN.	USPAT	2004/03/07 17:11
-	24	("Re24191" "2443471" "3571632" "3794866"	USPAT	2004/03/07 17:12
		"4047060" "4083433" "4249421" "4255965" "4447493" "4528652" "4626730" "4630072"		
		"4633982" "4635882" "4654554" "4725994"		
		"4795123" "4849668" "4865345" "4883248"		
		"4958100" "5032753" "5108802"		
		"5142511").PN.		
-	10	1	USPAT;	2004/03/07 17:17
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	676	181/290.ccls.	USPAT;	2004/03/07 17:17
			US-PGPUB;	
:			EPO; JPO;	
	1,00	101/002	DERWENT	0004/07/07 17 10
-	1600	181/29?.ccls.	USPAT;	2004/03/07 17:18
			US-PGPUB; EPO; JPO;	
			DERWENT	
_	2719	181/29?.ccls. 181/28?.ccls.	USPAT;	2004/03/07 17:18
	2717	101/2/11003. 101/2011003.	US-PGPUB;	2001/03/07 17:10
			EPO; JPO;	
			DERWENT	
-	1611	181/29?.ccls. 181/28?.ccls. and (((piezo piezo adj	USPAT;	2004/03/08 12:53
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5)) or PZT)	EPO; JPO;	
			DERWENT	
-	23	(USPAT;	2004/03/08 09:38
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5)) or PZT)	EPO; JPO;	
	204850	(((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	DERWENT USPAT;	2004/03/08 09:28
	207030	(((piezo piezo ad) (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	USPAT; US-PGPUB;	2007/03/08 U9:28
		or PVDF	EPO; JPO;	
			DERWENT	
_	25	(181/29?.ccls. 181/28?.ccls.) and ((((piezo piezo adj	USPAT;	2004/03/07 17:44
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	EPO; JPO;	
			DERWENT	
-	4	5241512.URPN.	USPAT	2004/03/07 17:36
	·	·	·	

	17781			
-	16621	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 17:45
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	
		or PVDF) and resonan\$3 adj frequenc\$3	EPO; JPO;	
			DERWENT	
-	8873	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 17:46
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	
		or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound	EPO; JPO;	
	1	acoustic\$4 audibl\$2)	DERWENT	
-	8996	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 17:46
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	
		or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound	EPO; JPO;	
		acoustic\$4 audibI\$2 audio)	DERWENT	
-	1604	(((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 17:46
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	
		or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound	EPO; JPO;	
		acoustic\$4 audibI\$2 audio)) and (passive shunt)	DERWENT	
_	1252	(((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 17:46
	1232	piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	2004/03/07 17:40
		or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound		
			EPO; JPO;	
	149	acoustic\$4 audibl\$2 audio)) and (passive)	DERWENT	0004/07/07 17 54
-	149	(((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 17:54
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	
		or PVDF) and resonan\$3 adj frequenc\$3 and (noise sound	EPO; JPO;	
		acoustic\$4 audibI\$2 audio)) and (passive) and shunt	DERWENT	
-	121	passive.ti. and damping.ti.	USPAT;	2004/03/07 17:54
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	144	310/317.ccls. and (peak)	USPAT;	2004/03/07 18:02
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	169	310/317.ccls. and (peak antinod\$3 anti adj nod\$2)	USPAT;	2004/03/07 18:03
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	30	310/317.ccls. and (antinod\$3 anti adj nod\$2)	USPAT;	2004/03/07 18:24
		(,,,,,,,,,,,,,	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	5	("2043416" "4044203" "4715559" "4947434"	USPAT	2004/03/07 18:10
		"5091953").PN.	431711	2001/05/07 10:10
-	17	4940914.URPN.	USPAT	2004/03/07 18:11
-	14	("4626730" "4849668" "4940914" "5126641"	USPAT	2004/03/07 18:11
	''	"5378974" "5558477" "5668744" "5714831"	43171	2007/03/07 10:20
1		"5783898" "5802184" "5838092" "6018210"	<u> </u>	
		"6191519" "6252334").PN.		
1.	60	0191319 0232334).PN. 4849668.URPN.	LICDAT	2004/07/07 19 91
1	60		USPAT	2004/03/07 18:21
I.		4849668.URPN. 310/321.ccls.	USPAT	2004/03/07 18:21
1-	652	310/321.CCS.	USPAT;	2004/03/07 18:25
			US-PGPUB;	
			EPO; JPO;	
		710/701 . 1 . 1	DERWENT	
-	162	310/321.ccls. and (audio audibl\$2 sound music acoustic\$4)	USPAT;	2004/03/07 18:25
			US-PGPUB;	
			EPO; JPO;	
1			DERWENT	
-	202	310/321.ccls. and (audio audibl\$2 sound music acoustic\$4	USPAT;	2004/03/07 18:25
1		noise)	US-PGPUB;	
1			EPO; JPO;	·
			DERWENT	
	l .	I		I

-	168		USPAT;	2004/03/07 18:37
		noise) and resonan\$3	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	13	4467236.URPN.	USPAT	2004/03/07 18:31
-	306	381/431.ccls.	USPAT;	2004/03/07 18:37
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
	54	381/431.ccls. and ((((piezo piezo adj (electric\$5	All controls and the control of the	2004/07/07 19 45
	30	15017451.ccis. and ((((piezo piezo ad) (electric\$5	USPAT;	2004/03/07 18:45
		electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5)) or PZT) or PVDF)	EPO; JPO;	
			DERWENT	
-	3	4199989.URPN.	USPAT	2004/03/07 18:43
-	338	381/354.ccls.	USPAT;	2004/03/07 18:45
			US-PGPUB;	
1			EPO; JPO;	
			DERWENT	
1_	20	381/354.ccls. and ((((piezo piezo adj (electric\$5	USPAT:	2004/07/07 10-70
'	20		,	2004/03/07 19:30
1		electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5)) or PZT) or PVDF)	EPO; JPO;	
			DERWENT	
-	19		USPAT	2004/03/07 18:52
-	15	("3719838" "3754152" "4158787" "4633982"	USPAT	2004/03/07 19:09
		"4940914" "5087850" "5170103" "5270607"		
		"5347870" "5357423" "5378974" "5390949"		
		"5558477" "5783898" "5857694").PN.		
	8	5087850.URPN.	USPAT	2004/07/07 10:17
	7			2004/03/07 19:13
-	'	("Re33028" "4080636" "4229692" "4633982"	USPAT	2004/03/07 19:16
		"4929874" "5156370" "5251264").PN.		
-	9		USPAT	2004/03/07 19:17
-	12		USPAT	2004/03/07 19:19
-	19	5315203.URPN.	USPAT	2004/03/07 19:21
-	3	6102426.URPN.	USPAT	2004/03/07 19:24
-	26859	(sound noise audio) adj absor\$5	USPAT;	2004/03/07 19:31
			US-PGPUB;	
i			EPO; JPO;	
			DERWENT	
	21	((sound noise audio) adj absor\$5) and passive\$2 near4		2004/07/07 10 77
-	21		USPAT;	2004/03/07 19:33
		damp\$3	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	245	381/71.\$.ccls. and passive	USPAT;	2004/03/07 19:34
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
_	76	381/71.\$.ccls. and passive and damp\$3		2004/07/07 10 74
	'6	JOITTI 1. P. CCIS. AITU PASSIVE AITU UAITIPAS	USPAT;	2004/03/07 19:34
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	31	(381/71.\$.ccls. and passive and damp\$3) and ((((piezo	USPAT;	2004/03/07 19:34
		piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
1		piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	EPO; JPO;	
			DERWENT	
1_	2	4,715,559.pn.	1	2004/07/07 10:47
		1,7 1 3,337 pm	USPAT;	2004/03/07 19:47
			US-PGPUB;	
			EPO; JPO;	
	_		DERWENT	
-	5	("4924640" "5107634" "5491938" "5816122"	USPAT	2004/03/07 19:41
	1	"6032552").PN.	l	
1				

		/ TO 1 / TT 4	THE NAME OF THE PARTY OF THE PA	
-	10	("3816774" "4028566" "4056742" "4565940"	USPAT	2004/03/07 19:42
		"4849668" "5485053" "5660624" "5719945"		
		"6191519" "6411015").PN.	LICDAT	0004/07/07 10 14
-	11	4028566.URPN.	USPAT	2004/03/07 19:44
-	16621	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 19:47
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	
		or PVDF) and resonan\$3 adj frequenc\$3	EPO; JPO;	
			DERWENT	
-	87430	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 19:47
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	
		or PVDF) and resonan\$3 adj frequenc\$3 shunt	EPO; JPO;	
			DERWENT	
-	596	11114 1 1 1 1 1 1 1	USPAT;	2004/03/07 19:47
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	
		or PVDF) and resonan\$3 adj frequenc\$3 and shunt	EPO; JPO;	
			DERWENT	
-	746	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 19:48
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	
		or PVDF) and resonan\$3 adj frequenc\$3 and shunt\$3	EPO; JPO;	
			DERWENT	
_	325	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 19:48
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	
		or PVDF) and resonan\$3 adj frequenc\$3 and shunt\$3 and	EPO; JPO;	
		(tune tuning)	DERWENT	
_	426	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2004/03/07 19:48
	.20	piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	200 17 057 07 17.10
		or PVDF) and resonan\$3 adj frequenc\$3 and shunt\$3 and	EPO; JPO;	
		(tune\$2 tuning\$2)	DERWENT	
_	284		USPAT;	2004/03/07 19:50
	201	piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	2004/03/07 17:30
		or PVDF) and resonan\$3 adj frequenc\$3 and shunt\$3 and	EPO; JPO;	
		(tune\$2 tuning\$2) and (audio audible sound noise)	DERWENT	
<u>-</u>	137	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/07 19:54
_	137	piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	2004/03/07 19:34
		or PVDF) and resonan\$3 adj frequenc\$3 and shunt\$3 and	EPO; JPO;	
		(tune\$2 tuning\$2) and (audio audible sound noise) and	DERWENT	
1		(damp\$3 absorb\$3)	DERWEIT	
ł <u>_</u>	223	forward.in.	LICDAT.	2004/03/07 19:55
-	223	ioiwaiu.iii.	USPAT; US-PGPUB;	2004/03/07 19:55
1	*			
			EPO; JPO;	
	34	"forward, robert".in.	DERWENT	2004/07/00 14 50
-	34	iorward, robert .in.	USPAT;	2004/03/08 14:50
			US-PGPUB;	
			EPO; JPO;	
<u> </u>	22	3976269.URPN.	DERWENT	2004/07/07 10 57
-			USPAT	2004/03/07 19:57
-	18	("3160549" "3976269" "4011356" "4068736" "4147405" "4275702" "4787786" "4414740"	USPAT	2004/03/07 19:59
		"4143495" "4235302" "4387786" "4416349"		
		"4635882" "4741945" "4828202" "4924969"		
		"5251849" "5280991" "5823467" "5862242"		
		"5904318" "6031917").PN.		0004/07/07 00 00
-	16		USPAT	2004/03/07 20:01
		"5283834" "5355417" "5363451" "5396414"		
		"5410607" "5415522" "5420932" "5473698"		
		"5498127" "5515444" "5519637"		
		"5748750").PN.		0004/07/07 55 55
-	2	("5343713" "5511127").PN.	USPAT	2004/03/07 20:02
-	9	5355417.URPN.	USPAT	2004/03/07 20:03
-	2	1930536.pn.	USPAT;	2004/03/08 09:11
			US-PGPUB;	
	1		EPO; JPO;	
			DERWENT	

-	3	1930536.URPN.	USPAT	2004/03/08 09:03
-	16	("4449235" "5091953" "5233540" "5245552"	USPAT	2004/03/08 09:08
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	•	"5410607" "5415522" "5420932" "5473698"		
		"5498127" "5515444" "5519637"		
		"5748750").PN.		0004/07/00 00 10
-	60	381/71.2.ccls.	USPAT;	2004/03/08 09:12
			US-PGPUB;	
			EPO; JPO;	
		(117/0774011 11707//0/11 11700104011 1140440071	DERWENT	0004/07/00 00 14
-	14	("3693749" "3936606" "3991849" "4044203"	USPAT	2004/03/08 09:14
		"4199295" "4255083" "4689821" "4700177"		
	10	"5031222" "5060471").PN.	LICDAT	2004/03/08 09:15
-	10 24	3991849.URPN.	USPAT USPAT	2004/03/08 09:13
-	24	,	usrai	2004/03/08 09:20
		4292373		
		"5670758" "5690035" "5904318"		
		"5923003").PN.		
_	18	3887031.URPN.	USPAT	2004/03/08 09:26
	204850	(((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/08 09:28
	201030	piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	2001/03/00 07.20
		or PVDF	EPO; JPO;	
			DERWENT	
-	1	3887031.URPN. and ((((piezo piezo adj (electric\$5	USPAT;	2004/03/08 09:28
	•	electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	200 17 007 00 07 120
		piezoceramic\$5)) or PZT) or PVDF)	EPO; JPO;	
		, , , , , , , , , ,	DERWENT	
-	25	(181/29?.ccis. 181/28?.ccis.) and (((piezo piezo adj	USPAT;	2004/03/08 10:31
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5)) or PZT or PVDF)	EPO; JPO;	
			DERWENT	
-	4	4628490.URPN.	USPAT	2004/03/08 09:52
-	7	("3647022" "3894169" "4390976" "4571520"	USPAT	2004/03/08 09:54
		"4628490" "4982385" "5420825").PN.		
-	6	5526324.URPN.	USPAT	2004/03/08 09:55
-	6	("4211303" "4234054" "5052513" "5526324"	USPAT	2004/03/08 10:01
		"5702230" "6109387").PN.		
-	18		USPAT	2004/03/08 10:02
		"4761582" "4815139" "4926963" "4967550"		
	-	"5018203" "5024288" "5119427" "5310586"		
		"5315661" "5370340" "5371801" "5415522"		
	_	"5423658" "5498127").PN. ("4025724" "4715559" "4878188" "4987598"	LICE - T	0004/07/05 :5 5 :
-	5		USPAT	2004/03/08 10:04
		"5091953").PN.	LICE + T	0004/07/05 15 5
-	_	5315661.URPN.	USPAT	2004/03/08 10:04
-	3	5919029.URPN.	USPAT	2004/03/08 10:09
1-	18	("4044203" "4715559" "4815139" "5018203" "F110427" "F715441" "F741857" "F7FF417"	USPAT	2004/03/08 10:09
		"5119427" "5315661" "5341857" "5355417" "5370340" "5382134" "5423658" "5478199"		
1		"5370340" "5382134" "5423658" "5478199" "5498127" "5558298" "5590849" "5618010"		
1		"5498127" "5538298" "5590849" "5618010" "5702230" "5732547").PN.		
1.	7	1	USPAT	2004/03/08 10:17
		3647022.URPN. ("2270902" "3298457" "3130700"	USPAT	2004/03/08 10:17
	"	(2270902 3296437 3130700	u3i / i	2007/03/00 10:19
1.	19	1	USPAT	2004/03/08 10:22
-	9		USPAT	2004/03/08 10:26
1	'	"4560150" "4706788" "5712447" "5855260"	4317(1	200 1, 03/00 10.20
		"5984233").PN.		
L	L	0,0,200 /11111		L

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,				
-	337	381/190.ccls. and (panel wall structure)	USPAT;	2004/03/08 10:31
			US-PGPUB;	
			EPO; JPO;	
_	117	381/190.ccls. and (panel wall structure) and (damp\$3	DERWENT USPAT;	2004/03/08 10:31
	'''	absorb\$3)	US-PGPUB;	2004/03/06 10:31
		absolut 5)	EPO; JPO;	
			DERWENT	
-	1274	381/190.ccls.	USPAT;	2004/03/08 10:39
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	81899	resonan\$3 adj (mode frequenc\$3)	USPAT;	2004/03/08 10:40
			US-PGPUB;	
			EPO; JPO;	
	17101	4- 0.7	DERWENT	
-	17106	(resonan\$3 adj (mode frequenc\$3)) and ((((piezo piezo adj	USPAT;	2004/03/08 10:40
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	EPO; JPO;	
1_	4945	(resonan\$3 adj (mode frequenc\$3)) and ((((piezo piezo adj	DERWENT USPAT;	2004/03/08 10:40
-	7773	(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	2004/03/06 10:40
		piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and	EPO; JPO;	
		(damp\$3 absorb\$3)	DERWENT	
-	5418	(resonan\$3 adj (mode frequenc\$3)) and ((((piezo piezo adj	USPAT;	2004/03/08 10:40
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	200 05, 00 . 01.10
		piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and	EPO; JPO;	
		(damp\$3 absorb\$3 shunt\$3)	DERWENT	
-	4358	(resonan\$3 adj (mode frequenc\$3)) and ((((piezo piezo adj	USPAT;	2004/03/08 10:41
i		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and	EPO; JPO;	
	0.7	(damp\$3 absorb\$3 shunt\$3) and (panel wall structure)	DERWENT	
-	87	(resonan\$3 adj (mode frequenc\$3)) and ((((piezo piezo adj	USPAT;	2004/03/08 11:17
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and (damp\$3 absorb\$3 shunt\$3) and (panel wall structure) and	EPO; JPO; DERWENT	
		electric\$4 adj (mode resonan\$3)	DEKWENT	
_	33		USPAT	2004/03/08 10:55
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		"4759513" "4836469" "4849668" "4883248"		
		"4967550" "5025888" "5052529" "5102298"		
		"5141392" "5169288" "5195046" "5242130"		
		"5270607" "5315203" "5348124" "5370340"		
		"5374011" "5411370" "5423658" "5478199"		
	17	1 "6102426").PN.	LICDAT	0004/07/02 12 77
-	13	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	USPAT	2004/03/08 10:58
	:	"4489609" "4692649" "4709360" "4740726" "4780062" "4833358" "4879528" "5061882"		
		"5117148").PN.		
-	24		USPAT	2004/03/08 11:01
		"4047060" "4083433" "4249421" "4255965"	JULIA	200 1/03/00 11:01
		"4447493" "4528652" "4626730" "4630072"		
		"4633982" "4635882" "4654554" "4725994"		
		"4795123" "4849668" "4865345" "4883248"		
		"4958100" "5032753" "5108802"		
		"5142511").PN.		
-	_	5315203.URPN.	USPAT	2004/03/08 11:06
-	8	1 1010110 1101000 0010100 0101100	USPAT	2004/03/08 11:09
		"6176544" "6296303" "6351962"		
L		"6411018").PN.		

-	8	("4398173" "4432565" "5315203" "5934733"	USPAT	2004/03/08 11:09
		1 "6176544" "6296303" "6351962"		
	/	"6411018").PN.		0004/07/00 44 44
-	652	310/321.ccls.	USPAT;	2004/03/08 11:11
			US-PGPUB;	
			EPO; JPO;	
	1050	/ 	DERWENT	0004/07/00 44 40
-	1852	(resonan\$3 adj (mode frequenc\$3)) and ((((piezo piezo adj	USPAT;	2004/03/08 11:18
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF) and	EPO; JPO;	
		(damp\$3 absorb\$3 shunt\$3) and (panel wall structure) and	DERWENT	
	1014	(electric\$4 adj (mode resonan\$3) tun\$3)	LICDAT	2004/03/08 11:19
-	1814	(resonan\$3 adj (mode frequenc\$3)) and ((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	USPAT;	2004/03/08 11:19
		piezoelectronic\$5 piezoceramic\$5) or PZT) or PVDF) and	US-PGPUB;	
			EPO; JPO;	
		(damp\$3 absorb\$3 shunt\$3) and (panel wall structure) and	DERWENT	
_	985	(tun\$3) (resonan\$3 adj (mode frequenc\$3)) and ((((piezo piezo adj	USPAT;	2004/03/08 11:19
-	765	(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	2004/03/06 11:19
		piezoelectronic\$5 piezoceramic\$5) or PZT) or PVDF) and	EPO; JPO;	
		(damp\$3 absorb\$3 shunt\$3) and (panel wall structure) and	DERWENT	
		(tun\$3) and absorb\$3	DEKWENI	
_	77	1 '	USPAT;	2004/03/08 12:40
	,,	(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	2004/03/00 12.40
		piezoelectronic\$5 piezoceramic\$5) or PZT) or PVDF) and	EPO; JPO;	
		(damp\$3 absorb\$3 shunt\$3) and (panel wall structure) and	DERWENT	
		(tun\$3) and absorb\$3 near4 (sound audio noise)	DERWEIT	
_	4		USPAT	2004/03/08 11:20
	-	"3400284").PN.		200 17 007 00 11120
_	9		USPAT	2004/03/08 11:22
-	18		USPAT	2004/03/08 11:24
		"4869768" "4876776" "4922096" "4940914"		
		"4958100" "4961627" "5016333" "5022272"		
		"5030490" "5032753" "5081391" "5126615"		
		"5129132" "5245245").PN.		
-	47	4868447.URPN.	USPAT	2004/03/08 12:04
-	11		USPAT	2004/03/08 12:09
		"5032753" "5130948" "5270607" "5424596"		
		"5525853" "5558477" "5838092").PN.		
-	4	5838092.URPN.	USPAT	2004/03/08 12:18
-	9	1 10001 10 1000101 0 100101	USPAT	2004/03/08 12:19
		"5485053" "5519278" "5838092" "6116389"		
		"6394242").PN.		
-	10	5485053.URPN.	USPAT	2004/03/08 12:27
-	30	("3940553" "4447493" "4778028" "5099962"	USPAT	2004/03/08 12:36
		"5214549" "5282100" "5422767" "5430589"		
		"5473122" "5483397" "5485053" "5517375"		
		"5654847" "5666239" "5667204" "5725931"		
		"5875067" "5949033" "5982580" "RE36806" "6172842" "6229668" "6256165" "6266207"		
_	4		USPAT	2004/03/08 12:38
		"B1 6173805").PN.	usi A i	200 1/03/00 12:30
_	6	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/08 12:40
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)		
		or PVDF) and 181/208.ccls.	EPO; JPO;	
		,	DERWENT	
-	5	("4374172" "5241512" "5332061" "5434783"	USPAT	2004/03/08 12:43
		"5473125").PN.		

-	25	(181/29?.ccls. 181/28?.ccls.) and ((((piezo piezo adj	USPAT;	2004/03/08 13:01
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	EPO; JPO;	
			DERWENT	
-	1747	52/144.ccls. 52/145.ccls.	USPAT;	2004/03/08 13:01
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
.	1	(52/144.ccls. 52/145.ccls.) and ((((piezo piezo adj	USPAT;	2004/03/08 13:01
	Ţ	(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	200 11 037 00 13.01
		piezoelectronic\$5 piezoceramic\$5) or PZT) or PVDF)	EPO; JPO;	
		piezociccuometa piezocciameta, or i zi, or i voi ,	DERWENT	
_	6	("3179823" "4158787" "4197478" "4363991"	USPAT	2004/03/08 13:06
		(3177623 1136767 4177476 4363771 "4565940" "4626730").PN.	USFAT	2004/03/08 13:08
			LICDAT	0004/07/00 17 40
-	9		USPAT	2004/03/08 13:49
-	252	310/317.ccls. and resonan\$3 adj (mode frequenc\$3)	USPAT;	2004/03/08 14:01
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	142	310/317.ccls. and resonan\$3 adj (mode frequenc\$3) and	USPAT;	2004/03/08 14:01
		(sound noise acoustic\$4 audibI\$2)	US-PGPUB;	
]		EPO; JPO;	•
			DERWENT	
-	1	"park, chul-hue".in.	USPAT;	2004/03/08 14:01
			US-PGPUB;	
	ļ		EPO; JPO;	
			DERWENT	
_	61	310/317.ccls. and resonan\$3 adj (mode frequenc\$3) and	USPAT;	2004/03/08 14:04
		electric\$4 near4 resonan\$3	US-PGPUB;	2001/05/00 11:01
			EPO; JPO;	
			DERWENT	
l -	12	passive near4 ((((piezo piezo adj (electric\$5 electroni\$5	USPAT;	2004/03/08 14:07
		ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	200 17 037 00 1 1.07
		piezoceramic\$5)) or PZT) or PVDF) near4 shunt\$3	EPO; JPO;	
		pro	DERWENT	
_	193	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/08 14:07
	.,,	piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	2001/03/00 14.0/
		or PVDF) near4 shunt\$3	EPO; JPO;	
		of 1 vor / hear + shancus	DERWENT	
_	94	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/08 14:10
	'*		US-PGPUB;	2007/03/06 14:10
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	,	
		or PVDF) near4 shunt\$3 and resonan\$3 adj (mode	EPO; JPO;	
_	044	frequenc\$3)	DERWENT	0004/07/00 11 15
-	846	mathur.in.	USPAT;	2004/03/08 14:10
			US-PGPUB;	
			EPO; JPO;	
	_		DERWENT	
-	7	"mathur, gopal".in.	USPAT;	2004/03/08 14:13
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	170	700/280.ccls.	USPAT;	2004/03/08 14:14
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	24	700/280.ccls. and ((((piezo piezo adj (electric\$5	USPAT;	2004/03/08 14:14
		electroni\$5 ceramic\$5) piezoelectric\$5 piezoelectronic\$5	US-PGPUB;	
		piezoceramic\$5)) or PZT) or PVDF)	EPO; JPO;	
		, , , , , , , , , , , , , , , , , , , ,	DERWENT	
-	60	4849668.URPN.	USPAT	2004/03/08 14:19
L				

-	18	("3160549" "3976269" "4011356" "4068736"	USPAT	2004/03/08 14:26
		"4143495" "4235302" "4387786" "4416349"	•	
		"4635882" "4741945" "4828202" "4924969"		
		"5251849" "5280991" "5823467" "5862242"		
		"5904318" "6031917").PN.		
-	4	1	USPAT	2004/03/08 14:41
-	24	(USPAT	2004/03/08 14:45
		"3973146" "4081626" "4246449" "4262399"		
		"4429192" "4432007" "4439641" "4439847"		
		"4530077" "4533795" "4783821" "4887246"		
ļ		"4887248" "4910840" "4916675" "4922471"		
		"5208789" "5241512" "5408731"		
		"5619476").PN.		
-	4	("3602844" "4158787" "4383230"	USPAT	2004/03/08 14:49
		"4485356").PN.		
-	5	5371801.URPN.	USPAT	2004/03/08 14:50
-	960		USPAT;	2004/03/08 14:51
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	
		or PVDF) and sound adj (absorb\$4 absorp\$6)	EPO; JPO;	
ŀ		(4550)	DERWENT	
1.	116	((((piezo piezo adj (electric\$5 electroni\$5 ceramic\$5)	USPAT;	2004/03/08 14:51
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	2004/03/00 14.31
		or PVDF) and sound adj (absorb\$4 absorp\$6) AND	EPO; JPO;	
		(shunt\$3 passive\$2)	DERWENT	
_	39		t ·	2004/07/00 15:12
-	39	piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5) or PZT)	USPAT;	2004/03/08 15:12
			US-PGPUB;	
	9	or PVDF) and sound adj (absorb\$4 absorp\$6) AND	EPO; JPO;	
İ		(shunt\$3 passive\$2) and resonan\$3 adj (frequenc\$3 mode)	DERWENT	0004/07/00 14 50
-	6 7		USPAT	2004/03/08 14:59
1	/	, , , , , , , , , , , , , , , , , , , ,	USPAT	2004/03/08 15:05
	1.1	"5091953" "5115472" "5142511").PN.	LICDAT	0004/07/00 15 07
-	11		USPAT	2004/03/08 15:07
-	137	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2004/03/08 15:12
'		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	,
		or PVDF) and 381/71.\$.ccls.	EPO; JPO;	
	70		DERWENT	
-	78	(((()))	USPAT;	2004/03/08 16:00
		piezoelectric\$5 piezoelectronic\$5 piezoceramic\$5)) or PZT)	US-PGPUB;	
		or PVDF) and 381/71.\$.ccls. and (passive\$2 shunt\$3)	EPO; JPO;	
			DERWENT	
-	6		USPAT	2004/03/08 15:50
		"5812684" "6031917").PN.	0	
-	1	6178246.URPN.	USPAT	2004/03/08 15:51
-	1	"4626730".PN.	USPAT	2004/03/08 15:56
-	391	constrained adj layer	USPAT;	2004/03/08 16:00
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	268	constrained adj layer adj damp\$3	USPAT;	2004/03/08 16:05
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
-	27	(constrained adj layer adj damp\$3) and ((((piezo piezo adj	USPAT;	2004/03/08 16:01
		(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	EPO; JPO;	
			DERWENT	
-	28	constrain\$3 adj layer adj damp\$3 and ((((piezo piezo adj	USPAT;	2004/03/08 16:05
	1	(electric\$5 electroni\$5 ceramic\$5) piezoelectric\$5	US-PGPUB;	
		piezoelectronic\$5 piezoceramic\$5)) or PZT) or PVDF)	EPO; JPO;	
		, , , , , , , , , , , , , , , , , , , ,	DERWENT	
	L	L		1